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What is claimed is,

1. A piezoelectric actuator comprising: a flexible substrate separated by a slit; a first piezoelectric element unit disposed on one of said separated flexible substrates; a second piezoelectric element unit disposed on another  
5 said separated flexible substrate approximately in parallel with said first piezoelectric element unit; and a coupling portion to couple said separated flexible substrates across said slit and to suppress a wavy resonance phenomenon of said flexible substrate.

10 2. A piezoelectric actuator comprising: a flexible substrate separated by a slit; a first piezoelectric element unit disposed on one of said separated flexible substrates; a second piezoelectric element unit disposed on another said separated flexible substrate approximately in parallel with said first piezoelectric element unit; and a coupling portion provided in the  
15 longitudinal center of said piezoelectric element unit to couple said separated flexible substrates across said slit.

3. The piezoelectric actuator according to claim 1, wherein said coupling portion is provided at a position corresponding to an antinode of  
20 primary bending mode of said first piezoelectric element unit and said second piezoelectric element unit being fixed in respective both ends.

4. The piezoelectric actuator according to one of claim 1 and 2, wherein said coupling portion is composed of a wiring material provided on  
25 said flexible substrate.

5. The piezoelectric actuator according to one of claim 1 and 2,

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wherein said coupling portion is constructed by a plurality of ladder shaped coupling portions.

6. The piezoelectric actuator according to claim 4, wherein said wiring  
5 material is in common use for said first piezoelectric element unit and said second piezoelectric element unit.

7. The piezoelectric actuator according to one of claim 1 and 2,  
wherein said coupling portion is provided across separated flexible  
10 substrates and the thickness of said coupling portion is larger than the width of said coupling portion.

8. The piezoelectric actuator according to one of claim 1 and 2,  
wherein said first piezoelectric element unit and said second piezoelectric  
15 element unit make a displacement in opposite directions each other.

9. The piezoelectric actuator according to one of claim 1 and 2,  
wherein said first piezoelectric element unit and said second piezoelectric  
element unit has thin film piezoelectric body respectively.

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10. The piezoelectric actuator according to claim 9, wherein said first  
piezoelectric element unit and said second piezoelectric element unit form a  
multilayered structure using two thin film piezoelectric element bodies,  
each comprising of thin film piezoelectric element covered by metal coating  
25 layer on top and bottom surfaces, with an adhesive layer sandwiched  
between the bodies.

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11. A disk drive comprising at least:

(a) a disk;

(b) a head slider equipped with a magnetic head;

(c) a flexure to fix said head slider;

5 (d) an arm to be fixed with said flexure;

(e) a first positioning means to move said arm roughly;

and

(f) a second positioning means to make said head slider fixed on said arm perform a fine displacement,

10 wherein said second positioning means is composed of an actuator having a piezoelectric element, and said actuator is the piezoelectric actuator according to one of claim 1 to 10.